estimating a second path loss between the second access point and the wireless device on the basis of the second transmission power and a reception power of the second downlink frame;

determining that the access point associated with the lowest path loss value between the first path loss and the second path loss is the closest access point.

45. A non-transitory computer readable memory embodying at least one computer program code, the at least one computer program code executable by at least one processor to perform a method comprising:

acquiring a first downlink frame originated from a first access point, wherein the first downlink frame indicates a first transmission power used for transmitting the first downlink frame;

acquiring a second downlink frame originated from a second access point, wherein the second downlink frame indicates a second transmission power used for transmitting the second downlink frame;

determining, based on the received first downlink frame and the second downlink frame and associated the first transmission power and the second transmission power, which one of the first access point and the second access point is closest to the apparatus;

determining, based on the received first downlink frame and the second downlink frame and associated the first transmission power and the second transmission power, an uplink transmission power sufficient to reach the access point closest to the apparatus; and

causing transmission of a probe request with the determined transmission power.

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